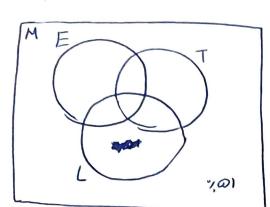
: Shin

بطنف شماح اسارا فمال ففيدى

Moloconx - Juli 3

5



$$P(E) = Y_{n,y}$$
 $P(E \cap T) = Y_{n,y}$
 $P(T) = Y_{n,y}$ $P(E' \cap T' \cap L') = 01$
 $P(L) = Y_{n,y}$ $P(E \cap L') = 01$

PILIT) = Ya %

$$P(T|E) = ? = \frac{P(E \cap T)}{P(E)} = \frac{r}{r}$$

$$P(T|L) = \frac{p(L|T) \times p(T)}{p(L)} = \frac{Y_{p} \times Y_{p}}{Y_{app}} = \frac{Y_{p}}{Y_{app}}$$

$$1-\int_{-1}^{1} |q_{1}|^{2} |q_{1}|^{2} |q_{1}|^{2} = 1-\left(\frac{1-\frac{1}{1.9}q}{1.9q}\right)^{\frac{1}{2}} = 1-\left(\frac{9\times1.9-1}{9\times19}\right)^{\frac{1}{2}} \simeq 0,1001$$

$$P(G) = ||Y| \qquad P(G \cap E_1) = \frac{4}{p(E_1)} = \frac{1}{p(E_1)} = \frac{1}{p($$

$$A = E n E_r$$
 $p(G)$
 $P(E, n E_r | C) = P(A n G) \over P(G)}$, $p(G|E, n E_r) = \frac{P(A n G)}{P(A)}$

$$\frac{1}{1-p(1-p)}$$
 $\frac{1}{1-p(1-p)}$
 $\frac{1}{1-p(1-p)}$
 $\frac{1}{1-p(1-p)}$
 $\frac{1}{1-p(1-p)}$
 $\frac{1}{1-p(1-p)}$

(i)
$$\frac{1}{1}$$
 = $\frac{1}{1}$ =

d= P11-P) 1 (viscosi)

```
Yr: Yr Unil -> Yr': Yr Unio
         p(rr) = p(rr nri) = p(rr nri') = p(rr) x p(ri') = Px(P-1)
      P(x_{i}') = p(x_{i}' \cap x_{i}) + p(x_{i}' \cap x_{i}') = p(x_{i}') \times p(x_{i}) = p \times (p-1)
       D, 回 => P(r) = P(r')/
             ر تابع مل بری در اند یا تعدار ۲ تنه در است هخین برای آند تا بع مدر نی لف ایک بری است
وبراداند! حون طعم ما ما في المورد و ٢٠ له ٢٠ بسرس ٢٠- احال ا - حمار فاف ١٠٠٨
           P(return.) = P(r. = 1) = P
                                                                                                                                                                           4 restrict
          p(roturn1) = P(rr = -) = (1-p)
                                                                                                                                                                                                             14 (18)
         p (T, 1G) = .11
                                                                                        P(TINTr)G)= YYY.
                                                                                           P(TIG) x P(TIG) = 1/YY
        P(Tr16) = 19
 P(TIUTr16) = = => P(TING) U(TrNG)) = = > P(TINTrNG) = P(TING) - P(TING)
   => P(T, NT, 1G') = P(T, NG') + P(T, NG') P(T, NG') +
                 P(T, 1G) = .1/ => P(T, 1G) = .1/ => P(T, UG) = .104
```

= P(T,) + P(G') - P(G'NT,) = P(T,) = 101 => P(T,)= 1KA

```
P(T_{r} | G) = .19 = 7 P(T_{r} | GG) = .10K =
```

$$P(RIS) = \Lambda \circ \gamma, \qquad P(RIS) = 1.7. \qquad P(FIS) = 90\%, \qquad P(FIS) : 1.7.$$

$$P(RIS) = 1.7. \qquad P(FIS) = 1.7. \qquad P(FIS) = 1.7. \qquad P(FIS) : 1.7.$$

$$P(RIS) = 1.7. \qquad P(RIS) = 1.7. \qquad P(FIS) = 1.7. \qquad P(FIS) : 1.7.$$

$$P(RIS) = 1.7. \qquad P(RIS) = 1.7. \qquad P(FIS) = 1$$

$$P(EARIS) = P(EARAS) = P(EIS) \cdot P(RIS) = P(EARAS) = \Delta Y \gamma,$$

$$P(EARIS') = \frac{(EARAS')}{P(S') + Yo'!} = P(EIS') \times P(RIS') = P(EARAS') = O(Ta).$$

$$P(SIE) = \frac{P(EIS) \times P(S)}{P(SIE)} = \frac{AB \times VB}{V(VA)} = \frac{1.7.}{1.7.}$$

$$P(S|E) = \frac{P(E|S) \times P(S)}{P(E)} \quad \text{aa} \times \text{va} = ./9441$$

$$P(S'|E) = \frac{P(E|S') \times P(S')}{P(E)} = \frac{1 \times \text{va}}{\text{veva}} = ./9441$$

$$P(S'|E) = \frac{P(E|S') \times P(S')}{P(E)} = \frac{1 \times \text{va}}{\text{veva}} = ./9441$$

$$P(S'|E) = \frac{P(S|E) \times P(S'|E)}{P(S|E) \times P(S'|E)} \times P(S'|S')$$

$$P(S|E) = \frac{P(S|E) \times P(S'|E)}{P(S|E) \times P(S'|S')} = \frac{1 \times \text{veva}}{\text{veva}} = \frac{1 \times \text{veva}}{\text{v$$



$$= \frac{1}{\sqrt{14 \times 19}} = \frac{1}{\sqrt{14$$

$$P \left(\text{Coronal Test-} \right) = \frac{(\text{Test-} \mid \text{Conona}) \times \text{Corona}}{\text{Comma} \left(\text{Test-} \mid \text{Corona} \right) + \left(\text{Test-} \mid \text{nocorona} \right) / \text{Nocona}}$$

$$= \frac{1}{11 \times 11 + 90 \times 19} \times \frac{1}{11 \times 11 + 90 \times 19} \times \frac{1}{11 \times 11 \times 11} = \frac{1}{11 \times$$